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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

25X1A

COUNTRY USSR

SUBJECT 25X1C Latest Models of the '122 mm. Long-range Gun of the 1938 type'/Technical Data/Ballistic Long-Range Grenade 'OF-471'/Technical Data.



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1. "The latest models of the '122 mm. long-range gun of the 1938 type' have the following technical data:
 - a. - Caliber 121.9 mm.
 - b. - Length of barrel 46.3 calibers
 - c. - Weight of gun: in field position 7,117 kg
on the march 7,907 "
 - d. - Maximum range 20,400 m.
2. "The ballistic long-range grenade 'OF-471 n' gives a maximum range of 22,000 m.
 - a. - Weight of the 'OF-471 n' - 25 kg
 - b. - Initial velocity V - with minimum charge 570 m/sec., with maximum charge - 800 m/sec. Has four polished charges, No. 1 - No. 4
 - c. - Rate of fire - 6 shots per minute
 - d. - Angle of possible fire: vertical - $2^\circ + 65^\circ$
horizontal - 58°
 - e. - Maximum velocity of movement - 20 km/hours
 - f. - Change from march position to battle position - 10 minutes.
3. "The gun has a shell 'D-471' which on explosion throws out bits of burning phosphorus at a radius of 25 meters. It gives a thick cloud of white smoke for 20 - 25 seconds."
4. "The shells 'OF-471' give a thick cloud of black smoke on explosion."
5. "The motorized gun is accompanied by 'one battle set of shells' - 100 shells."
6. "The gun is trailed by a 'high-speed full-track trailer' of the type 'Ya-12'."

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